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DUKE ENERGY. PROGRESS

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July 1, 2013

Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, Inc.
Docket Nos. 2006-176-E and 2006-224-E

Dear Mrs. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing are the following reports for the month of May 2013:

1. Monthly Power Plant Performance Report in Docket No. 2006-224-E (Exhibit A);
2. Monthly Fuel Report in Docket No. 2006-176-E (Exhibit B).

Also enclosed are revised power plant statistics to replace those filed for February 2013, March 2013 and April 2013 in this docket (Exhibits C, D and E respectively). These reports have been revised to be consistent with Duke Energy Carolinas, LLC's reporting of nuclear data, which uses a different methodology.

Should you have any questions regarding this matter, please do not hesitate to contact Brian Franklin at 980.373.4465.

Sincerely,

Timika Shafeek-Horton
Deputy General Counsel

Enclosures
STAREG3140

c: John Flitter (ORS)
Mr. Scott Elliott
Mr. Garrett Stone
Mr. Gary Walsh

May 2013

The following units had no off-line outages for the month of May 2013:

- Robinson Unit 2
- Roxboro Unit 4
- Richmond CC 5 (Units 9, 10, ST5)
- Richmond Unit 8 (part of CC 4 power block)
- Richmond Unit ST4 (part of CC 4 power block)
- Lee CC 1 (Units 1A, 1B, 1C, and 1ST)

May 2013

Brunswick Unit 1

## Full Planned Outage

A) Duration: The unit was taken out of service at 3:32 on May 18, and was returned to service at 16:53 on May 29, a duration of 277 hours and 21 minutes.

B) Cause: Reactor Recirculation Pump Seal

C) Explanation: The unit was removed from service for a maintenance outage to replace a reactor recirculation pump seal.

D) Corrective Action: Maintenance activities to repair the reactor recirculation pump seal were completed, and the unit was returned to service.

May 2013

Brunswick Unit 2

Full Planned Outage

B) Duration: The unit was taken out of service at 20:55 on March 2, and was returned to service at 1:47 on May 9, a duration of 1,611 hours and 52 minutes. The unit was off-line for 193 hours and 47 minutes for the month of May.

B) Cause: Scheduled Refueling Outage

C) Explanation: The unit was taken out of service for a scheduled refueling outage in March, and planned outage activities continued into May. In addition to refueling, required maintenance and inspections were carried out during this outage.

D) Corrective Action: Planned outage activities, including refueling, inspections, and maintenance, were completed and the unit was returned to service.

May 2013

Harris Unit 1

## Full Forced Outage

A) Duration: The unit was taken out of service at 23:38 on May 15, and was out of service for the remainder of the month. The unit was off-line for 384 hours and 22 minutes for the month of May.

B) Cause: Reactor Vessel Closure Head Nozzle Penetration

C) Explanation: On May 15, 2013, the unit commenced a Technical Specification required shutdown to Mode 6 to repair a flaw in Reactor Vessel Closure Head (RVCH) Penetration Nozzle 49. The previously unidentified RVCH Penetration Nozzle 49 flaw was discovered during an independent third party review of Refueling Outage 17 Ultrasonic Test data in preparations for Refueling Outage 18.

D) Corrective Action: Following the shutdown to Mode 6, the RVCH was removed and Penetration Nozzle 49 was inspected, confirming the flaw location and size. An Inner Diameter Temper Bead weld repair was performed with assistance from AREVA. Following repair, additional ultrasonic and penetrant testing was performed to confirm the flaw was no longer present. Upon completion of repairs, the unit was returned to service.

May 2013

Mayo Unit 1

Full Planned Outage

B) Duration: The unit was taken out of service at 0:00 on March 16, and was returned to service at 19:52 on May 15, a duration of 1,459 hours and 52 minutes. The unit was off-line for 355 hours and 52 minutes for the month of May.

B) Cause: Major Planned Outage

C) Explanation: The unit was taken out of service for a major planned outage in March, and outage activities continued into the month of May. Planned outage activities included replacement of air heater baskets, burner replacement, electrostatic precipitator maintenance, and installation of a new bottom ash system. Boiler and other equipment inspections and maintenance were also conducted during the outage.

D) Corrective Action: Planned outage activities, including maintenance and inspections, were completed and the unit was returned to service.

May 2013

Roxboro Unit 2

## Full Planned Outage

A) Duration: The unit was taken out of service at 0:00 on May 11, and was returned to service at 0:00 on May 23, a duration of 288 hours.

B) Cause: Boiler Inspection

C) Explanation: The unit was taken out of service for a planned boiler inspection.

D) Corrective Action: Planned outage activities, including boiler inspection, periodic, preventative, and corrective maintenance were completed, and the unit was placed in reserve shutdown status due to low demand.

## Full Forced Outage

A) Duration: The unit was taken out of service at 8:21 on May 27, and was returned to service at 11:34 on May 27, a duration of 3 hours and 13 minutes.

B) Cause: Generator Lockout

C) Explanation: After completion of the planned boiler inspection, the unit was placed in reserve shutdown status due to low demand. As system demand increased, the unit was placed in start-up mode. During start-up activities, the unit was forced offline due to a generator lockout. Further investigation revealed that the cause of lockout event was related to a generator field breaker issue.

D) Corrective Action: Adjustments were required in the generator to allow the unit to return to full power. The adjustments were made in a timely manner, and the unit was returned to service.

May 2013

Roxboro Unit 3

## Full Forced Outage

B) Duration: The unit was taken out of service at 13:17 on May 1, and was returned to service at 2:06 on May 2, a duration of 12 hours and 49 minutes.

B) Cause: Generator Stator Cooling Water Issue

C) Explanation: The unit was returned to service on April 30 upon completion of the planned outage. A few hours after returning to service, the unit's generator stator cooling water was observed to have high conductivity. After further inspection and investigation, it was determined that a reversed valve on the stator cooling water skid was the likely cause of the issue.

D) Corrective Action: Corrective maintenance activities were completed to address the generator stator cooling water issue, and the unit was returned to service.

May 2013

Richmond County Unit 7

## Full Forced Outage

A) Duration: The unit was taken out of service at 17:05 on May 30, and was returned to service at 23:27 on May 30, a duration of 6 hours and 22 minutes.

B) Cause: 480 V Power Supply Main Breaker Trip

C) Explanation: The unit was forced offline due to gas heater level switches indicating high liquid levels within the heater. Unit 7 was unblended from the steam turbine and put into a safe condition. Unit 8 continued to operate and provide steam for the steam turbine. Upon further investigation, it was found that the 480 V power supply main breaker tripped.

D) Corrective Action: Corrective maintenance activities were conducted to restore the breaker to operable condition. The unit was returned to service upon completion of maintenance activities.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 1 **



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 938 | MW | 938 | MW | 1 |
| Period Hours | 744 | HOURS | 8,760 | HOURS | |
| Net Generation | 429,975 | MWH | 7,708,770 | MWH | 2 |
| Capacity Factor | 61.61 | % | 93.82 | % | |
| Equivalent Availability | 60.61 | % | 91.77 | % | |
| Output Factor | 98.23 | % | 101.02 | % | |
| Heat Rate | 10,506 | BTU/KWH | 10,336 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 260,154 | 37.28 | 303,396 | 3.66 | 3 |
| Partial Scheduled | 14,764 | 2.12 | 73,215 | 0.88 | 4 |
| Full Forced | 0 | 0.00 | 282,698 | 3.41 | 5 |
| Partial Forced | 0 | 0.00 | 35,901 | 0.43 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 697,872 | | 8,297,910 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 932 MW | 932 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 440,857 MWH | 6,323,864 MWH | 2 |
| Capacity Factor | 63.58 % | 77.46 % | |
| Equivalent Availability | 63.61 % | 77.65 % | |
| Output Factor | 85.97 % | 95.99 % | |
| Heat Rate | 11,016 BTU/KWH | 10,738 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 180,606 | 26.05 | 1,502,260 | 18.30 | 3 |
| Partial Scheduled | 71,705 | 10.34 | 168,300 | 2.05 | 4 |
| Full Forced | 0 | 0.00 | 75,652 | 0.92 | 5 |
| Partial Forced | 240 | 0.03 | 139,584 | 1.70 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 693,408 | | 8,210,310 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 928 | MW | 912 | MW | 1 |
| Period Hours | 744 | HOURS | 8,760 | HOURS | |
| Net Generation | 324,651 | MWH | 7,708,572 | MWH | 2 |
| Capacity Factor | 47.02 | % | 96.53 | % | |
| Equivalent Availability | 47.24 | % | 92.71 | % | |
| Output Factor | 97.28 | % | 103.34 | % | |
| Heat Rate | 10,526 | BTU/KWH | 10,555 | BTU/KWH | |
| | MWH | % of Possible | MWH | % of Possible | |
| Full Scheduled | 0 | 0.00 | 168,990 | 2.10 | 3 |
| Partial Scheduled | 6,084 | 0.88 | 35,064 | 0.43 | 4 |
| Full Forced | 356,692 | 51.66 | 356,692 | 4.42 | 5 |
| Partial Forced | 3,004 | 0.44 | 26,845 | 0.33 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 690,432 | | 8,065,040 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 741 MW | 731 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 577,147 MWH | 6,725,746 MWH | 2 |
| Capacity Factor | 104.69 % | 105.03 % | |
| Equivalent Availability | 100.00 % | 98.97 % | |
| Output Factor | 104.69 % | 105.03 % | |
| Heat Rate | 10,277 BTU/KWH | 10,283 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 0 | 0.00 | 3 |
| Partial Scheduled | 0 | 0.00 | 66,328 | 1.02 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 551,304 | | 6,478,750 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Mayo 1 **



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 727 MW | 735 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 142,131 MWH | 3,091,441 MWH | 2 |
| Capacity Factor | 26.28 % | 48.00 % | |
| Equivalent Availability *** | 49.74 % | 78.74 % | |
| Output Factor | 50.37 % | 63.26 % | |
| Heat Rate | 13,384 BTU/KWH | 11,665 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 258,715 | 47.83 | 1,172,557 | 18.20 | 3 |
| Partial Scheduled | 13,122 | 2.43 | 88,712 | 1.38 | 4 |
| Full Forced | 0 | 0.00 | 30,866 | 0.48 | 5 |
| Partial Forced | 0 | 0.00 | 84,716 | 1.32 | 6 |
| Economic Dispatch | 126,919 | 23.47 | 1,969,021 | 30.57 | 7 |
| Possible MWH | 540,888 | | 6,441,520 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 2



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 659 | MW | 662 | MW | 1 |
| Period Hours | 744 | HOURS | 8,760 | HOURS | |
| Net Generation | 72,805 | MWH | 3,780,655 | MWH | 2 |
| Capacity Factor | 14.85 | % | 65.19 | % | |
| Equivalent Availability | 60.70 | % | 92.29 | % | |
| Output Factor | 60.60 | % | 73.50 | % | |
| Heat Rate | 11,475 | BTU/KWH | 10,246 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 191,319 | 39.02 | 371,997 | 6.41 | 3 |
| Partial Scheduled | 0 | 0.00 | 4,126 | 0.07 | 4 |
| Full Forced | 439 | 0.09 | 66,061 | 1.14 | 5 |
| Partial Forced | 917 | 0.19 | 4,035 | 0.07 | 6 |
| Economic Dispatch | 224,816 | 45.85 | 1,572,274 | 27.11 | 7 |
| Possible MWH | 490,296 | | 5,799,120 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 3



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 696 MW | 700 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 249,829 MWH | 2,620,671 MWH | 2 |
| Capacity Factor | 48.25 % | 42.77 % | |
| Equivalent Availability | 97.30 % | 82.71 % | |
| Output Factor | 56.33 % | 60.27 % | |
| Heat Rate | 11,479 BTU/KWH | 11,113 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 925,324 | 15.10 | 3 |
| Partial Scheduled | 0 | 0.00 | 3,994 | 0.07 | 4 |
| Full Forced | 8,920 | 1.72 | 99,137 | 1.62 | 5 |
| Partial Forced | 5,072 | 0.98 | 38,248 | 0.62 | 6 |
| Economic Dispatch | 254,003 | 49.05 | 2,431,557 | 39.68 | 7 |
| Possible MWH | 517,824 | | 6,127,620 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 4 **



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 698 | MW | 706 | MW | 1 |
| Period Hours | 744 | HOURS | 8,760 | HOURS | |
| Net Generation | 341,719 | MWH | 3,606,174 | MWH | 2 |
| Capacity Factor | 65.80 | % | 58.35 | % | |
| Equivalent Availability | 96.80 | % | 88.63 | % | |
| Output Factor | 65.80 | % | 69.67 | % | |
| Heat Rate | 11,017 | BTU/KWH | 10,453 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 71,100 | 1.15 | 3 |
| Partial Scheduled | 0 | 0.00 | 47,244 | 0.76 | 4 |
| Full Forced | 0 | 0.00 | 326,207 | 5.28 | 5 |
| Partial Forced | 16,638 | 3.20 | 262,832 | 4.25 | 6 |
| Economic Dispatch | 160,955 | 30.99 | 1,867,067 | 30.21 | 7 |
| Possible MWH | 519,312 | | 6,180,910 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Lee Energy Complex 1A



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 181 | MW | 215 | MW | 1 |
| Period Hours | 744 | HOURS | 3,623 | HOURS | |
| Net Generation | 110,411 | MWH | 539,379 | MWH | 2 |
| Capacity Factor | 81.99 | % | 69.45 | % | |
| Equivalent Availability | 100.00 | % | 86.50 | % | |
| Output Factor | 86.61 | % | 82.74 | % | |
| Heat Rate | 10,298 | BTU/KWH | 9,657 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 106,174 | 13.66 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 2,910 | 0.37 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 24,253 | 18.01 | 128,218 | 16.49 | 7 |
| Possible MWH | 134,664 | | 777,496 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Lee Energy Complex 1B



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 181 | MW | 215 | MW | 1 |
| Period Hours | 744 | HOURS | 3,623 | HOURS | |
| Net Generation | 120,724 | MWH | 516,577 | MWH | 2 |
| Capacity Factor | 89.65 | % | 66.51 | % | |
| Equivalent Availability | 100.00 | % | 80.48 | % | |
| Output Factor | 89.65 | % | 83.46 | % | |
| Heat Rate | 10,285 | BTU/KWH | 9,793 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 157,341 | 20.24 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 409 | 0.05 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 13,940 | 10.35 | 102,354 | 13.16 | 7 |
| Possible MWH | 134,664 | | 777,496 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Lee Energy Complex 1C



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 181 | MW | 215 | MW | 1 |
| Period Hours | 744 | HOURS | 3,623 | HOURS | |
| Net Generation | 122,709 | MWH | 546,656 | MWH | 2 |
| Capacity Factor | 91.12 | % | 70.38 | % | |
| Equivalent Availability | 100.00 | % | 85.75 | % | |
| Output Factor | 91.12 | % | 84.16 | % | |
| Heat Rate | 10,180 | BTU/KWH | 9,658 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 110,470 | 14.21 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 2,342 | 0.30 | 5 |
| Partial Forced | 0 | 0.00 | 2,331 | 0.30 | 6 |
| Economic Dispatch | 11,955 | 8.88 | 114,882 | 14.78 | 7 |
| Possible MWH | 134,664 | | 777,496 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Lee Energy Complex ST1



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 377 | MW | 379 | MW | 1 |
| Period Hours | 744 | HOURS | 3,623 | HOURS | |
| Net Generation | 221,831 | MWH | 962,845 | MWH | 2 |
| Capacity Factor | 79.09 | % | 70.05 | % | |
| Equivalent Availability | 99.25 | % | 82.58 | % | |
| Output Factor | 79.09 | % | 83.01 | % | |
| Heat Rate | 2,214 | BTU/KWH | 2,751 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 214,624 | 15.61 | 3 |
| Partial Scheduled | 2,095 | 0.75 | 10,641 | 0.77 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 0 | 0.00 | 14,588 | 1.06 | 6 |
| Economic Dispatch | 56,562 | 20.17 | 171,810 | 12.50 | 7 |
| Possible MWH | 280,488 | | 1,374,566 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Richmond County 7



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 156 | MW | 170 | MW | 1 |
| Period Hours | 744 | HOURS | 8,760 | HOURS | |
| Net Generation | 113,481 | MWH | 959,339 | MWH | 2 |
| Capacity Factor | 97.77 | % | 64.45 | % | |
| Equivalent Availability | 99.15 | % | 73.94 | % | |
| Output Factor | 100.29 | % | 91.35 | % | |
| Heat Rate | 10,776 | BTU/KWH | 11,075 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 389,507 | 26.16 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 993 | 0.86 | 4,468 | 0.30 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 1,590 | 1.37 | 135,113 | 9.07 | 7 |
| Possible MWH | 116,064 | | 1,489,200 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Richmond County 8



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 156 MW | 170 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 116,733 MWH | 979,984 MWH | 2 |
| Capacity Factor | 100.58 % | 65.84 % | |
| Equivalent Availability | 100.00 % | 76.43 % | |
| Output Factor | 100.58 % | 90.68 % | |
| Heat Rate | 10,694 BTU/KWH | 11,053 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 367,341 | 24.67 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 2,891 | 0.19 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 0 | 0.00 | 138,880 | 9.33 | 7 |
| Possible MWH | 116,064 | | 1,489,200 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Richmond County ST4



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 176 MW | 177 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 126,057 MWH | 1,064,505 MWH | 2 |
| Capacity Factor | 96.27 % | 68.69 % | |
| Equivalent Availability | 100.00 % | 80.82 % | |
| Output Factor | 96.27 % | 85.96 % | |
| Heat Rate | 0 BTU/KWH | 0 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 284,927 | 18.38 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 4,020 | 0.26 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 4,887 | 3.73 | 196,354 | 12.66 | 7 |
| Possible MWH | 130,944 | | 1,550,520 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Richmond County 9



| | Month of May 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 182 | MW | 204 | MW | 1 |
| Period Hours | 744 | HOURS | 8,760 | HOURS | |
| Net Generation | 122,881 | MWH | 1,380,108 | MWH | 2 |
| Capacity Factor | 90.75 | % | 77.18 | % | |
| Equivalent Availability | 100.00 | % | 91.67 | % | |
| Output Factor | 95.10 | % | 88.61 | % | |
| Heat Rate | 11,433 | BTU/KWH | 11,617 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 131,863 | 7.37 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 23,979 | 1.34 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 12,527 | 9.25 | 252,112 | 14.10 | 7 |
| Possible MWH | 135,408 | | 1,788,500 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Richmond County 10



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 182 MW | 204 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 129,790 MWH | 1,418,842 MWH | 2 |
| Capacity Factor | 95.85 % | 79.35 % | |
| Equivalent Availability | 100.00 % | 92.76 % | |
| Output Factor | 95.85 % | 88.57 % | |
| Heat Rate | 11,206 BTU/KWH | 11,398 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 133,943 | 7.49 | 3 |
| Partial Scheduled | 0 | 0.00 | 0 | 0.00 | 4 |
| Full Forced | 0 | 0.00 | 1,573 | 0.09 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 5,618 | 4.15 | 233,705 | 13.07 | 7 |
| Possible MWH | 135,408 | | 1,788,500 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Richmond County ST5



| | Month of May 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 250 MW | 249 MW | 1 |
| Period Hours | 744 HOURS | 8,760 HOURS | |
| Net Generation | 155,912 MWH | 1,842,176 MWH | 2 |
| Capacity Factor | 83.82 % | 84.39 % | |
| Equivalent Availability | 100.00 % | 91.85 % | |
| Output Factor | 83.82 % | 93.24 % | |
| Heat Rate | 0 BTU/KWH | 0 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 165,513 | 7.58 | 3 |
| Partial Scheduled | 0 | 0.00 | 3,355 | 0.15 | 4 |
| Full Forced | 0 | 0.00 | 2,325 | 0.11 | 5 |
| Partial Forced | 0 | 0.00 | 4,584 | 0.21 | 6 |
| Economic Dispatch | 30,088 | 16.18 | 169,915 | 7.78 | 7 |
| Possible MWH | 186,000 | | 2,182,700 | | 8 |

* See 'Notes for Fossil and Combined Cycle Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

CAPACITY FACTOR REPORT



| Plant | Unit | Current MW Rating | January 2012 - December 2012 | May 2013 | January 2013 - May 2013 |
|---|---|---|---|---|---|
| Asheville | 1 | 191 | 51.35 | 0.00 | 33.20 |
| Asheville | 2 | 185 | 57.24 | 44.77 | 43.28 |
| Cape Fear * | 5 | 148 | 14.97 | | |
| Cape Fear * | 6 | 175 | 18.33 | | |
| Lee * | 1 | 80 | 13.26 | | |
| Lee * | 2 | 80 | 0.50 | | |
| Lee * | 3 | 252 | 33.86 | | |
| Mayo | 1 | 727 | 55.07 | 26.28 | 28.73 |
| Robinson * | 1 | 179 | 13.79 | | |
| Roxboro | 1 | 379 | 62.34 | 20.36 | 44.17 |
| Roxboro | 2 | 659 | 71.21 | 14.85 | 57.77 |
| Roxboro | 3 | 696 | 60.18 | 48.25 | 21.62 |
| Roxboro | 4 | 698 | 66.18 | 65.80 | 40.26 |
| Sutton | 1 | 97 | 18.42 | 13.69 | 21.34 |
| Sutton | 2 | 90 | 15.91 | 5.32 | 14.29 |
| Sutton | 3 | 366 | 28.69 | 29.81 | 34.06 |
| Fossil System Total | | 5,002 | 49.98 | 33.52 | 36.37 |
| Lee Energy Complex | 1A | 181 | ** | 81.99 | 69.45 |
| Lee Energy Complex | 1B | 181 | ** | 89.65 | 66.51 |
| Lee Energy Complex | 1C | 181 | ** | 91.12 | 70.38 |
| Lee Energy Complex | ST1 | 377 | ** | 79.09 | 70.05 |
| Richmond County | 7 | 156 | 62.59 | 97.77 | 80.69 |
| Richmond County | 8 | 156 | 60.08 | 100.58 | 83.14 |
| Richmond County | ST4 | 176 | 66.81 | 96.27 | 83.84 |
| Richmond County | 9 | 182 | 77.11 | 90.75 | 64.09 |
| Richmond County | 10 | 182 | 82.20 | 95.85 | 69.51 |
| Richmond County | ST5 | 250 | 89.56 | 83.82 | 68.84 |
| Combined Cycle Total | | 2,022 | 74.67 | 89.11 | 72.01 |
| Brunswick | 1 | 938 | 76.65 | 61.61 | 93.80 |
| Brunswick | 2 | 932 | 97.57 | 63.58 | 51.92 |
| Harris | 1 | 928 | 89.99 | 47.02 | 90.87 |
| Robinson Nuclear | 2 | 741 | 84.70 | 104.69 | 104.22 |
| Nuclear System Total | | 3,539 | 87.33 | 67.32 | 84.18 |
| Total System | | 10,563 | 65.91 | 57.57 | 61.46 |

* The Cape Fear, Lee and Robinson 1 units were retired in September and October 2012; however, the 2012 data is included for historical reference

** Precommercial data excluded

**Amended SC Fuel Rule**
**Related to Nuclear Operations**

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor of ≥ 92.5% during the 12-month period under review. For the test period March 1, 2013 through May 31, 2013, actual period to date performance is summarized below:

Period to Date: March 1, 2013 to May 31, 2013

Nuclear System Capacity Factor Calculation (Based on net generation)

| | | |
|---|---|---|
| A. Nuclear system actual generation for the SCPSC test period | A = | 5,712,035 MWh |
| B. Total number of hours during SCPSC test period | B = | 2,207 hours |
| C. Nuclear system MDC during SCPSC test period (see page 2) | C = | 3,539 MW |
| D. Reasonable nuclear system reductions (see page 2) | D = | 2,267,112.04 MWh |
| E. SC Fuel Case nuclear system capacity factor: [ A / ((B x C) - D) ] * 100 = | | 103.0% |

NOTE:
If Line Item E > 92.5%, presumption of utility's minimum cost of operation.
If Line Item E < 92.5%, utility has burden of proof of reasonable operations.

**Amended SC Fuel Rule**
**Nuclear System Capacity Factor Calculation**
**Reasonable Nuclear System Reductions**
**Period to Date: March 1, 2013 to May 31, 2013**

| Nuclear Unit Name and Designation | BNP Unit # 1 | BNP Unit # 2 | HNP Unit # 1 | RNP Unit # 2 | Nuclear System |
|---|---|---|---|---|---|
| Unit MDC | 938 MW | 932 MW | 928 MW | 741 MW | 3,539 MW |
| Reasonable refueling outage time (MWh) | 0.00 | 1,502,259.70 | 0.00 | 0.00 | |
| Reasonable maintenance, repair, and equipment replacement outage time (MWh) | 265,887.13 | 9,434.12 | 377,524.67 | 29,584.85 | |
| Reasonable coast down power reductions (MWh) | 0.00 | 5,029.00 | 0.00 | 0.00 | |
| Reasonable power ascension power reductions (MWh) | 9,031.50 | 62,453.95 | 0.00 | 0.00 | |
| Prudent NRC required testing outages (MWh) | 0.00 | 0.00 | 5,907.12 | 0.00 | |
| SCPSC identified outages not directly under utility control (MWh) | 0.00 | 0.00 | 0.00 | 0.00 | |
| Acts of Nature reductions (MWh) | 0.00 | 0.00 | 0.00 | 0.00 | |
| Reasonable nuclear reduction due to low system load (MWh) | 0.00 | 0.00 | 0.00 | 0.00 | |
| Unit total excluded MWh | 274,918.63 | 1,579,176.77 | 383,431.80 | 29,584.85 | |
| Total reasonable outage time exclusions [carry to Page 1, Line D] | | | | | 2,267,112.04 |

| DUKE ENERGY PROGRESS |
| --- |
| NO. 2 OIL STOCK REPORT |
| **END OF May 2013** |

| LOCATION | Capacity Gallons | Inventory Gallons | Boiler Light/Off Projected Burn Next Month (gallons) | IC at Full Load (gals/hr) |
| --- | --- | --- | --- | --- |
| | | | | |
| Asheville | 3,600,000 | 3,179,519 | 12,600 | 28,000 |
| Blewett | 850,000 | 586,069 | | 8,160 |
| Brunswick | 320,200 | 196,547 | | |
| Cape Fear | 500,000 | 7,658 | 11,800 | 8,036 |
| Charlotte | 3,000,000 | 1,439,374 | | |
| Darlington | 11,000,000 | 4,946,953 | | 87,000 |
| Greensboro | 2,000,000 | 1,217,393 | | |
| Harris | 570,000 | 254,103 | | |
| Lee | 750,000 | 0 | 7,600 | 15,200 |
| Mayo | 375,000 | 287,424 | 78,700 | |
| Morehead | 105,000 | 0 | | 1,724 |
| North Augusta | 1,000,000 | 0 | | |
| Richmond | 9,000,000 | 6,917,939 | | 100,800 |
| Robinson | 150,000 | 82,121 | 10,300 | 2,655 |
| Roxboro | 700,000 | 306,914 | 100,000 | |
| Selma | 3,000,000 | 1,800,848 | | |
| Spartanburg | 693,420 | 682,837 | | |
| Sutton | 570,000 | 556,662 | 43,300 | 7,771 |
| Wayne County | 9,400,000 | 10,361,047 | | 72,679 |
| Weatherspoon | 765,000 | 672,254 | 1,200 | 15,072 |
| ***TOTAL*** | **48,346,620** | **33,495,661** | **265,500** | **347,097** |

Exhibit B

# FUELWORX - FUELS MANAGEMENT SYSTEM

## Duke Energy Progress

## Contract Oil Receipts

### For May 2013

| PLANT | VENDOR | QUANTITY | TOTAL COST | UNIT COST |
|---|---|---|---|---|
| Brunswick | N/A | 0.00 | $46.32 | $0.00 |
| Cape Fear | Eagle Transport Corporation | 0.00 | $0.00 | $0.00 |
| Cape Fear | N/A | (117,767.00) | ($382,967.06) | $0.00 |
| Harris | Eagle Transport Corporation | 22,427.00 | $74,953.88 | $3.34 |
| Lee | N/A | (9,142.20) | ($76,073.91) | $0.00 |
| Mayo | Hilco Transport Inc | 212,783.00 | $698,074.74 | $3.28 |
| Mayo | N/A | 0.00 | $45.02 | $0.00 |
| Morehead | N/A | 0.00 | ($2,376.89) | $0.00 |
| Roxboro | Eagle Transport Corporation | 0.00 | $0.00 | $0.00 |
| Roxboro | Hilco Transport Inc | 143,994.00 | $465,939.17 | $3.24 |
| Roxboro | N/A | 75,399.00 | $399,115.39 | $5.29 |
| Sutton | Amerada Hess Corporation | 149,278.00 | $457,741.34 | $3.07 |
| Sutton CC | Hightower Petroleum Corp | 651,069.00 | $1,946,715.96 | $2.99 |
| Sutton CC | Petroleum Traders | 651,566.00 | $1,943,076.02 | $2.98 |

***N/A represents inventory transfers from storage facilities and/or inventory adjustments.***
***Roxboro 4 is not shown on this schedule as the amounts received are transfers from Roxboro 1-2-3 and not from a third party.***

**Duke Energy Progress**
**South Carolina Retail**

**Fuel Adjustment Expense**
**May 2013**

| | | |
|---|---|---|
| Fossil Fuel | $ | 96,203,341.25 |
| Nuclear | | 10,962,559.87 |
| Coal Blending Savings | | (1,493,124.62) |
| Coal Purchase Savings | | (227,576.66) |
| Gas Savings | | (69,022.11) |
| Purchased Power | | 27,855,840.57 |
| Sub-Total | $ | 133,232,018.30 |
| Less: Inter-Company Sales | | 11,760,254.23 |
| Net Fuel Cost | $ | 121,471,764.07 |
| Total System MWH Sales | | 3,849,422.8 |
| S.C. Retail MWH Sales | | 452,740.6 |
| S.C. Allocation Factor of Total Fuel Costs | | 0.1176 |
| S.C. Share of Total Fuel Costs | $ | 14,285,079.45 |
| Emission Allowances $ (Includes net proceeds) (Account 509) | | 58,233.35 |
| Ammonia/Urea (Account 5020001) | | 327,622.46 |
| Limestone/Lime (Account 5020002) | | 573,775.15 |
| Reagent Savings (Account 50200PS) | | (5,740.57) |
| Sub-Total | $ | 953,890.39 |
| Less: Inter-Company Sales | | 73,424.47 |
| Net Environmental Cost | $ | 880,465.92 |
| S.C. Retail MWH Sales | | 452,740.6 |
| Total System MWH Sales | | 3,849,422.8 |
| S.C. Allocation Factor of Total Environmental Costs | | 0.1176 |
| S.C. Share of Total Environmental Costs | $ | 103,542.79 |

**Duke Energy Progress**
**South Carolina Retail**

**Fossil Fuel Cost**
**May 2013**

| | | |
|---|---|---|
| **Steam Electric (Issued from Account 151)** | | |
| Coal | $ | 39,208,600.91 |
| #2 Oil | | 1,906,607.75 |
| Natural Gas | | - |
| Total Steam Electric | $ | 41,115,208.66 |
| **I.C. Turbines (Issued from Account 151)** | | |
| Oil | $ | 140,736.91 |
| Natural Gas | | 54,947,395.68 |
| Total I.C. Turbines | $ | 55,088,132.59 |
| Total Fossil Fuel (Issued from Account 151) | $ | 96,203,341.25 |
| Less: Sales to Other Companies | | 11,760,254.23 |
| Total Fossil Fuel for Billing Factor | | 84,443,087.02 |
| Total Fossil Fuel (Accounts 501 & 547) | $ | 96,712,331.49 |
| Less: Labor and Miscellaneous | | 508,990.24 |
| | $ | 96,203,341.25 |
| MWH Generated by Fossil Fuel | | 2,337,493.0 |
| Less: Sales to Other Companies | | 405,092.7 |
| Fossil Generation for Billing Factor | | 1,932,400.3 |
| Total MWH Sales | | 3,849,422.8 |

# Duke Energy Progress

## Fuel Cost - Statistics

**Month Of: May 2013**

**To: South Carolina Public Service Commission**

1. Types of Generation

| | MWH | Percentage |
|---|---|---|
| Fossil | 2,337,493 | 58.43 % |
| Nuclear | 1,560,510 | 39.00 % |
| Hydro | 102,824 | 2.57 % |
| TOTAL | 4,000,827 | 100.00 % |

2. System Average Fossil Generating Plant Efficiency (Heat Rate) — 8,226

3. Average Heat Content of Coal Burned (BTU per Pound) — 12,764

4. Coal Received :

| | Percent | Cents/MBTU |
|---|---|---|
| Contract | 100.00 | 361.90 |
| Spot | 0.00 | 0.00 |

# Analysis of Coal Purchased By Facility

## Duke Energy Progress

**Location Type:** All Inventory Locations **Report Period:** 201305 - Period Ending 05/31/2013

| | Month To Date Spot | Year To Date Spot | Month To Date Term | Year To Date Term | Month To Date System | Year To Date System |
|---|---|---|---|---|---|---|
| **Tons:** | 0.00 | 2,710.99 | 490,964.27 | 2,275,410.17 | 490,964.27 | 2,278,121.16 |
| **Percent Total:** | 0.00% | 0.12% | 100.00% | 99.88% | 100.00% | 100.00% |
| **Coal Cost:** | $0.00 | $162,300.09 | $30,640,019.35 | $138,195,375.26 | $30,640,019.35 | $138,357,675.35 |
| **Coal Unit Cost:** | $0.00 | $59.87 | $62.41 | $60.73 | $62.41 | $60.73 |
| **Freight Cost:** | $0.00 | $15,783.48 | $14,015,879.37 | $77,880,255.16 | $14,015,879.37 | $77,897,038.64 |
| **Freight Unit Cost:** | $0.00 | $5.19 | $28.55 | $34.23 | $28.55 | $34.19 |
| **Total Cost:** | $0.00 | $179,083.57 | $44,655,898.72 | $216,075,630.42 | $44,655,898.72 | $216,254,713.99 |
| **Received Cost:** | $0.00 | $66.06 | $90.96 | $94.96 | $90.96 | $94.93 |
| **Quality:** | 0 | 12,122 | 12,566 | 12,494 | 12,566 | 12,493 |
| **Cents / MBTU:** | - | 272.48 | 361.90 | 380.04 | 361.90 | 379.92 |
| **Equiv Cost 12000 BTU:** | $0.00 | $59.21 | $59.59 | $58.34 | $59.59 | $58.34 |
| **Total MBTU:** | 0.00 | 66,723.40 | 12,339,347.09 | 56,855,835.86 | 12,339,347.09 | 56,921,559.26 |

Exhibit B

# Total Coal Purchased By Facility

## Duke Energy Progress

**Location Type:** All Inventory Locations **Report Period:** 201305 - Period Ending 05/31/2013

| Facility | Tons Received | Total Cost | As Received BTU/LB | Received Cost | Cents / MBTU | MBTU |
|---|---|---|---|---|---|---|
| Asheville | 34,681.88 | $3,316,794.29 | 12,733 | $95.63 | 375.55 | 883,191.25 |
| Cape Fear | 0.00 | $0.00 | 0 | $0.00 | | 0.00 |
| Ceredo | 62,757.57 | $4,031,616.14 | 12,668 | $64.24 | 253.56 | 1,589,988.95 |
| Coal Sales | 0.00 | $0.00 | 0 | $0.00 | - | 0.00 |
| Docks Creek | (267.63) | $127,206.32 | 2,328 | $(475.32) | (10,209.38) | -1,245.97 |
| Lee | 0.00 | $0.00 | 0 | $0.00 | - | 0.00 |
| Mayo | 77,429.60 | $6,821,731.86 | 12,511 | $88.10 | 352.11 | 1,937,387.15 |
| Robinson | 0.00 | $0.00 | 0 | $0.00 | - | 0.00 |
| Roxboro | 260,209.66 | $24,365,009.44 | 12,588 | $93.64 | 371.92 | 6,551,169.26 |
| Shipyard River Terminal | 300.00 | $3,630.00 | 0 | $12.10 | - | 0.00 |
| Sutton | 55,853.20 | $5,989,910.67 | 12,344 | $107.24 | 434.41 | 1,378,856.46 |
| Weatherspoon | 0.00 | $0.00 | 0 | $0.00 | - | 0.00 |
| **System Totals:** | 490,964.27 | $44,855,898.72 | 12,566 | $90.96 | 361.90 | 12,339,347.09 |

Exhibit B

**Duke Energy Progress**
**South Carolina Retail**

**Comparison of Fuel Revenue and Expenses**

| | December 2012 | January 2013 | February 2013 | March 2013 | April 2013 | May 2013 |
|---|---|---|---|---|---|---|
| Sales (KWH) | 452,858,642 | 570,899,969 | 504,474,585 | 474,712,940 | 554,895,417 | 452,740,596 |
| SC Retail % | 0.10710 | 0.11940 | 0.11320 | 0.10800 | 0.13040 | 0.11760 |
| System Fuel Cost | 110,157,943 | 122,632,241 | 116,764,092 | 144,926,665 | 103,305,989 | 121,471,764 |
| Revenue Required | 11,797,916 | 14,642,290 | 13,217,695 | 15,652,080 | 13,471,101 | 14,285,079 |
| Revenue Billed * | 11,905,125 | 15,007,436 | 13,261,121 | 12,480,106 | 14,585,303 | 11,898,301 |
| Over (Under) Recovery | 107,209 | 365,146 | 43,426 | (3,171,974) | 1,114,202 | (2,386,778) |
| Accounting Adjustment | | | 44,426 | | | |
| Cumulative Recovery | (144,412) | 220,734 | 308,586 | (2,863,388) | (1,749,186) | (4,135,964) |

** Effective July 1, 2009, amounts are net of discounts provided under Residential Energy Conservation Discount Rider RECD-2B.*

Exhibit B

DUKE ENERGY PROGRESS

ANALYSIS OF ISSUES FROM ACCOUNT 151 TO 5013 & 5473

May 2013

| | 5013 COAL | 5013 #2 OIL | 5013 NAT. GAS | 5013 TOTAL | 5473 #2 OIL | 5473 NAT. GAS | 5473 TOTAL | 5013 & 5473 TOTAL |
|---|---|---|---|---|---|---|---|---|
| CAPE FEAR | - | - | | - | - | | - | - |
| WEATHERSPOON | - | - | | - | $ 3,350.57 | $ 22.00 | $ 3,372.57 | $ 3,372.57 |
| LEE | - | $ 76,073.91 | | $ 76,073.91 | 131,782.86 | 23,442,065.78 | 23,573,848.64 | 23,649,922.55 |
| SUTTON | $ 4,005,027.64 | 382,286.41 | | 4,387,314.05 | - | | - | 4,387,314.05 |
| ROBINSON | (50.00) | - | | (50.00) | - | - | - | (50.00) |
| ASHEVILLE | 2,786,598.32 | 41,947.46 | - | 2,830,545.78 | 1,817.54 | 111,076.39 | 112,893.93 | 2,943,439.71 |
| ROXBORO | 27,197,001.56 | 860,910.45 | | 28,057,912.01 | | | - | 28,057,912.01 |
| MAYO | 5,218,023.39 | 545,389.52 | | 5,763,412.91 | | | - | 5,763,412.91 |
| DARLINGTON COUNTY | | | | | - | 248.41 | 248.41 | 248.41 |
| MOREHEAD CITY | | | | | 2,376.89 | | 2,376.89 | 2,376.89 |
| BLEWETT | | | | | 1,408.05 | | 1,408.05 | 1,408.05 |
| WAYNE COUNTY | | | | | 0.00 | 4,399.37 | 4,399.37 | 4,399.37 |
| RICHMOND COUNTY | | | | | 0.00 | 31,389,584.73 | 31,389,584.73 | 31,389,584.73 |
| TOTAL | $ 39,208,600.91 | $ 1,908,607.75 | $ - | $ 41,115,208.66 | $ 140,735.91 | $ 54,947,396.68 | $ 55,088,132.59 | $ 96,203,341.25 |

| | |
|---|---|
| BRUNSWICK NUCLEAR FUEL UNIT #1 | $ 2,368,921.96 |
| BRUNSWICK NUCLEAR FUEL UNIT #2 | 2,782,891.61 |
| ROBINSON NUCLEAR FUEL UNIT #2 | 3,754,360.10 |
| HARRIS NUCLEAR FUEL UNIT #1 | 2,078,386.22 |
| TOTAL NUCLEAR FUEL | $ 10,982,559.87 |

Exhibit B

DUKE ENERGY PROGRESS
PAGE 11
MONTH OF MAY 2013
GENERATION, PURCHASED POWER, WHEELED POWER, ENERGY TRANSFERS AND OTHER STATISTICS

| | | | CURRENT MONTH | | 12 MONTHS ENDED CURRENT MONTH | |
|---|---|---|---|---|---|---|
| | | | THIS YEAR | INCR OVER LAST YEAR | THIS YEAR | INCR OVER LAST YEAR |
| 4 | Net Power Generation: | | | | | |
| 5 | Steam Power | KWH | 951,476,978 | (749,946,039) | 17,821,423,073 | (2,271,459,657) |
| 6 | Nuclear Power | KWH | 1,560,510,428 | (91,448,421) | 24,648,294,098 | 2,007,161,594 |
| 7 | Hydro-Electric | KWH | 102,824,000 | 32,926,000 | 732,069,010 | 94,947,980 |
| 8 | Other Power | KWH | 1,386,017,000 | 517,568,000 | 12,563,923,000 | 2,849,866,000 |
| 9 | Total Net Power Generation | KWH | 4,000,827,406 | (290,900,460) | 55,765,709,181 | 2,680,515,917 |
| 10 | Purchased Power | KWH | 616,612,400 | 29,716,990 | 6,630,761,373 | 1,620,783,634 |
| 11 | Wheeled Power: | | | | | |
| 12 | Received: | | | | | |
| 13 | For Others | KWH | 22,942,000 | (57,013,000) | 971,674,000 | (1,502,224,000) |
| 14 | For SEPA Pref. Customers | KWH | 24,760,000 | 13,692,000 | 138,287,000 | 3,123,000 |
| 15 | Total Wheeled Power Received | KWH | 47,702,000 | (43,321,000) | 1,109,961,000 | (1,499,101,000) |
| 16 | Delivered: | | | | | |
| 17 | To Others | KWH | 22,631,000 | (56,497,000) | 971,707,000 | (1,503,050,000) |
| 18 | To SEPA Pref. Customers | KWH | 23,265,000 | 13,175,980 | 130,645,900 | 3,750,600 |
| 19 | Total Wheeled Power Delivered | KWH | 45,896,000 | (43,321,020) | 1,102,352,900 | (1,499,299,400) |
| 20 | Total Net Wheeled Power | KWH | 1,806,000 | 20 | 7,608,100 | 198,400 |
| 21 | Transfers of Energy: | | | | | |
| 22 | Received | KWH | 147,548,000 | 13,159,000 | 2,248,609,000 | 322,816,000 |
| 23 | Delivered | KWH | 152,121,000 | 13,553,000 | 2,318,189,000 | 332,673,000 |
| 24 | Total Net Transfers of Energy | KWH | (4,573,000) | (394,000) | (69,380,000) | (9,857,000) |
| 25 | Power Exchanges: | | | | | |
| 26 | Received | KWH | 0 | 0 | 0 | 0 |
| 27 | Delivered | KWH | 0 | 0 | 0 | 0 |
| 28 | Total Net Power Exchanges | KWH | 0 | 0 | 0 | 0 |
| 29 | Total Net System Input | KWH | 4,614,672,806 | (261,575,450) | 62,334,588,654 | 4,291,640,951 |
| 30 | Total Energy Sales | KWH | 4,432,693,261 | (204,559,425) | 59,972,656,109 | 4,249,816,060 |
| 31 | Company Use | KWH | 7,172,993 | (374,978) | 95,845,570 | 982,963 |
| 32 | Inter-Departmental Use | KWH | | | | |
| 33 | Total Energy Used by Company | KWH | 7,172,993 | (374,978) | 95,845,570 | 982,963 |
| 34 | Energy Unaccounted For | KWH | 174,806,552 | (56,641,047) | 2,265,996,975 | 40,841,928 |
| 35 | Percent Unaccounted For | % | 3.79 | (0 96) | 3.64 | (0 19) |
| 36 | Power Agency Generation | KWH | 279,320,594 | (54,084,540) | 4,785,182,829 | 68,517,063 |

**DUKE ENERGY PROGRESS**
**PAGE 11A**
**MONTH OF MAY 2013**

| TOTAL BURNED FUEL COST REPORT - CENTS/MBTU | | | | | |
|---|---|---|---|---|---|
| PLANT - TYPE OF FUEL | FOSSIL STEAM PLANTS | I C TURBINES | TOTAL FOSSIL FUEL | NUCLEAR PLANTS | TOTAL ALL FUELS |
| CAPE FEAR | | | | | |
| COAL | 0 00 | | 0 00 | | 0 00 |
| OIL | 0 00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 0 00 | 0.00 | 0.00 | 0.00 |
| WEATHERSPOON | | | | | |
| COAL | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| OIL | 0 00 | 1,988 11 | 1,988 11 | 0 00 | 1,988 11 |
| NATURAL GAS | 0 00 | 0.00 | 0 00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 2,001.17 | 2,804.40 | 0.00 | 2,804.40 |
| LEE | | | | | |
| COAL | 0.00 | 0 00 | 0.00 | 0 00 | 0.00 |
| OIL | 0 00 | 1,984 61 | 3,099.02 | 0 00 | 3,099 02 |
| NATURAL GAS | 0 00 | 570 03 | 570.03 | 0.00 | 570.03 |
| TOTAL | 0 00 | 572 30 | 574 18 | 0.00 | 574 18 |
| SUTTON | | | | | |
| COAL | 356 66 | 0 00 | 356 66 | 0 00 | 356 66 |
| OIL | 2,311 42 | 0.00 | 2,311 42 | 0 00 | 2,311 42 |
| NATURAL GAS | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 |
| TOTAL | 384 51 | 0.00 | 384 51 | 0 00 | 384 61 |
| ROBINSON | | | | | |
| COAL | 0 00 | 0.00 | 0.00 | 0 00 | 0 00 |
| OIL | 0 00 | 0 00 | 0.00 | 0 00 | 0 00 |
| NATURAL GAS | 0 00 | 0 00 | 0.00 | 0 00 | 0 00 |
| NUCLEAR | 0.00 | 0 00 | 0.00 | 64 86 | 64.86 |
| TOTAL | 0 00 | 0 00 | 0.00 | 64 86 | 65.09 |
| ASHEVILLE | | | | | |
| COAL | 371 18 | 0 00 | 371 18 | 0 00 | 371 18 |
| OIL | 2,125 90 | 8,001 16 | 2,388 89 | 0 00 | 2,388.89 |
| NATURAL GAS | 0 00 | 1,078.21 | 1,078.21 | 0.00 | 1,078 21 |
| TOTAL | 375 68 | 1,132 82 | 385 81 | 0.00 | 386.81 |
| ROXBORO 1-3 | | | | | |
| COAL | 382 17 | 0 00 | 382 17 | 0 00 | 382 17 |
| OIL | 2,352 09 | 0 00 | 2 352 09 | 0 00 | 2,352 09 |
| TOTAL | 377 45 | 0.00 | 377.45 | 0.00 | 377.45 |
| ROXBORO 4 | | | | | |
| COAL | 356.25 | 0.00 | 356 25 | 0 00 | 356 25 |
| OIL | 2,356 44 | 0.00 | 2,356 44 | 0.00 | 2,356 44 |
| TOTAL | 358 09 | 0 00 | 358 09 | 0.00 | 358.09 |
| MAYO | | | | | |
| COAL | 338 61 | 0 00 | 338 61 | 0 00 | 338 61 |
| OIL | 2,380 40 | 0 00 | 2,380 40 | 0 00 | 2,380 40 |
| TOTAL | 367 94 | 0 00 | 367 94 | 0.00 | 367 94 |
| MOREHEAD | | | | | |
| OIL | 0 00 | 0 00 | 0.00 | 0 00 | 0.00 |
| DARLINGTON | | | | | |
| OIL | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| NATURAL GAS | 0.00 | 1,006 94 | 1,006 94 | 0 00 | 1,006 94 |
| TOTAL | 0 00 | 4,305 17 | 4,305 17 | 0 00 | 4,305 17 |
| BLEWETT | | | | | |
| OIL | 0.00 | 1,601.24 | 1,601.24 | 0.00 | 1,601.24 |
| WAYNE | | | | | |
| OIL | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| NATURAL GAS | 0.00 | 628 51 | 628.51 | 0.00 | 628 51 |
| TOTAL | 0.00 | 1,288 99 | 1,288 99 | 0 00 | 1,288 99 |
| RICHMOND | | | | | |
| OIL | 0 00 | 0 00 | 0.00 | 0 00 | 0.00 |
| NATURAL GAS | 0.00 | 536 93 | 536 93 | 0 00 | 536 93 |
| TOTAL | 0.00 | 536 93 | 536 93 | 0.00 | 536 93 |
| BRUNSWICK | | | | | |
| NUCLEAR | 0.00 | 0 00 | 0.00 | 71 07 | 71 07 |
| HARRIS | | | | | |
| NUCLEAR | 0.00 | 0 00 | 0 00 | 74 32 | 74 32 |
| ALL PLANTS | | | | | |
| COAL | 357.45 | 0 00 | 357 45 | 0 00 | 357 45 |
| OIL | 2,443 74 | 2,162 70 | 2,420 43 | 0 00 | 2 420 43 |
| NATURAL GAS | 0.00 | 551 15 | 551 15 | 0 00 | 551 15 |
| NUCLEAR | 0 00 | 0 00 | 0 00 | 89 43 | 89 43 |
| TOTAL | 372 01 | 562 29 | 457 06 | 89 43 | 287 50 |

DUKE ENERGY PROGRESS
PAGE 11B
MONTH OF MAY 2013

FUEL STOCKS - COAL TONS

| PLANT | TONS BEGINNING OF MONTH | TONS RECEIVED DURING MONTH | TONS CONSUMED DURING MONTH | BALANCE END OF MONTH | | |
|---|---|---|---|---|---|---|
| CAPE FEAR | 0.00 | 0.00 | 0.00 | 0.00 | | 3 |
| WEATHERSPOON | 0.00 | 0.00 | 0.00 | 0.00 | | 4 |
| LEE | 0.00 | 0.00 | 0.00 | 0.00 | | 5 |
| SUTTON | 49,904.66 | 55,853.20 | 46,408.00 | 59,349.86 | | 6 |
| ROBINSON | 116.24 | 0.00 | 0.00 | 116.24 | | 7 |
| ASHEVILLE | 150,205.97 | 34,681.88 | 30,130.00 | 154,757.85 | | 8 |
| ROXBORO | 1,193,969.44 | 260,209.66 | 314,442.00 | 1,139,737.10 | | 9 |
| MAYO | 773,721.01 | 77,429.60 | 75,003.00 | 776,147.61 | | 10 |
| TOTAL COAL | 2,167,917.32 | 428,174.34 | 466,983.00 | 2,130,108.66 | | 11 |

RECEIVED FOSSIL FUEL COSTS *

| | TOTAL $ | CENTS/MBTU | | | |
|---|---|---|---|---|---|
| CAPE FEAR | 0.00 | 0.00 | | | 2 |
| WEATHERSPOON | 0.00 | 0.00 | | | 3 |
| LEE | 0.00 | 0.00 | | | 4 |
| SUTTON | 5,989,910.57 | 434.41 | | | 5 |
| ROBINSON | 0.00 | 0.00 | | | 6 |
| ASHEVILLE | 3,316,794.29 | 376.55 | | | 7 |
| ROXBORO | 24,365,009.44 | 371.92 | | | 8 |
| MAYO | 6,821,731.86 | 352.11 | | | 9 |
| TOTAL COAL | 40,493,446.26 | 376.66 | | | 10 |
| #2 OIL | | 2,269.75 | | | 11 |
| NATURAL GAS | | 551.15 | | | 12 |
| TOTAL FUEL | | 481.93 | | | 13 |

* *includes accruals and excludes storage facilities*

| YEAR TO DATE ** | COAL | #2 OIL | NATURAL GAS | TOTAL FUEL | | |
|---|---|---|---|---|---|---|
| CENTS/MBTU | 381.33 | 2,748.20 | *** 536.00 | 460.40 | | 2 |

** *Year To Date amounts include prior period adjustments*
*** *High due to prior period adjustments*

**Duke Energy Progress**

**South Carolina Retail**

**Comparison of Environmental Revenue and Expenses**

| | December 2012 | January 2013 | February 2013 | March 2013 | April 2013 | May 2013 |
|---|---|---|---|---|---|---|
| Total Residential Sales (kwh) | 183,040,927 | 207,644,783 | 193,217,480 | 202,938,346 | 172,537,631 | 123,298,278 |
| Recovery Rate | | | | | | |
| Total Residential Recovery | 90,836 | 103,039 | 95,885 | 100,715 | 85,602 | 61,143 |
| Residential Non-Conservation Discount Customers (kWh) | 155,671,087 | 176,326,927 | 164,276,123 | 172,711,473 | 145,919,446 | 103,036,242 |
| Recovery Rate | $0.00050 | $0.00050 | $0.00050 | $0.00050 | $0.00050 | $0.00050 |
| Residential Recovery | 77,836 | 88,163 | 82,138 | 86,356 | 72,959 | 51,518 |
| Residential Conservation Discount Customers (kWh) | 27,369,840 | 31,317,856 | 28,941,357 | 30,226,873 | 26,618,185 | 20,262,036 |
| Recovery Rate | $0.00050 | $0.00050 | $0.00050 | $0.00050 | $0.00050 | $0.00050 |
| Residential Recovery | 13,685 | 15,659 | 14,471 | 15,113 | 13,309 | 10,131 |
| Conservation Discount | (684) | (783) | (724) | (756) | (665) | (507) |
| Recovery Net of Discount | 13,001 | 14,876 | 13,747 | 14,358 | 12,644 | 9,624 |
| General Service Sales (kwh) (Non-Demand) | 24,390,834 | 25,884,435 | 23,489,482 | 23,968,140 | 22,673,744 | 19,978,092 |
| Recovery Rate | $0.00050 | $0.00050 | $0.00050 | $0.00050 | $0.00050 | $0.00050 |
| General Service Recovery | 12,195 | 12,942 | 11,745 | 11,984 | 11,337 | 9,989 |
| Demand Units (kw) | 607,035 | 657,352 | 659,371 | 664,402 | 686,622 | 645,407 |
| Demand Recovery Rate | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| Demand Recovery | 72,844 | 78,882 | 79,124 | 79,728 | 82,395 | 77,449 |
| Total Recovery | 175,876 | 194,884 | 186,754 | 192,428 | 179,334 | 148,580 |
| Jurisdictional Costs: | 121,409 | 126,275 | 122,887 | 119,196 | 106,917 | 103,543 |
| Over/(Under) Recovery | 54,467 | 68,589 | 63,867 | 73,231 | 72,417 | 45,038 |
| Adjustment | | | | | | |
| Cumulative Recovery | 450,347 | 518,935 | 582,803 | 656,034 | 728,451 | 773,489 |

Exhibit B

Duke Energy Progress
Merger-Related Fuel Savings
Month Ending: May 2013
Dollars reported in ($)

| | | Gross Savings | | | Allocated Savings | | DE Progress |
|---|---|---|---|---|---|---|---|
| | | DE Carolinas | DE Progress | Combined | DE Carolinas | DE Progress | SC Retail portion |
| 1 | Joint Dispatch | $ 898,208 | $ 1,237,429 | $ 2,135,637 | $ 1,404,875 | $ 730,762 | $ 85,938 |
| 2 | Coal Blending | 4,380,800 | - | 4,380,800 | 2,887,675 | 1,493,125 | 175,591 |
| 3 | Coal Procurement | 650,001 | 512,190 | 1,162,191 | 767,770 | 394,421 | 46,384 |
| 4 | Coal Transportation | 654,275 | (207,312) | 446,963 | 308,929 | 138,034 | 16,233 |
| 5 | Reagent Procurement & Transportation | 60,980 | 22,491 | 83,471 | 55,239 | 28,232 | 3,320 |
| 6 | Natural Gas Capacity | 203,164 | - | 203,164 | 134,142 | 69,022 | 8,117 |
| 7 | Natural Gas Trading | 35,954 | - | 35,954 | 23,737 | 12,217 | 1,437 |
| | | $ 6,883,382 | $ 1,564,798 | $ 8,448,180 | $ 5,582,368 | $ 2,865,812 | $ 337,019 |
| | Resource ratio % | 65.78% | 34.22% | 100.00% | | | |
| | System Billed Sales (MWH) by jurisdiction | | | | | | 3,849,423 |
| | NC Billed Sales (MWH) | | | | | | 452,741 |
| | Sales allocation % | | | | | | 11.76% |

Twelve Months Ending: May 2013

| | | Gross Savings | | | Allocated Savings | | DE Progress |
|---|---|---|---|---|---|---|---|
| | | DE Carolinas | DE Progress | Combined | DE Carolinas | DE Progress | SC Retail portion |
| 1 | Joint Dispatch | $ 16,189,767 | $ 16,725,110 | $ 32,914,877 | $ 20,417,977 | $ 12,496,900 | $ 1,434,780 |
| 2 | Coal Blending (a) | 33,544,324 | - | 33,544,324 | 21,539,628 | 12,004,696 | 1,390,302 |
| 3 | Coal Procurement (a) | 3,989,747 | 5,016,697 | 9,006,444 | 5,454,885 | 3,551,559 | 408,599 |
| 4 | Coal Transportation (a) | 5,253,566 | 3,357,119 | 8,610,685 | 5,296,469 | 3,314,215 | 382,036 |
| 5 | Reagent Procurement & Transportation | 682,371 | 648,235 | 1,330,606 | 792,218 | 538,388 | 60,911 |
| 6 | Natural Gas Capacity | 11,417,283 | - | 11,417,283 | 7,088,829 | 4,328,454 | 488,162 |
| 7 | Natural Gas Trading | 395,494 | - | 395,494 | 243,366 | 152,128 | 17,495 |
| | | $ 71,472,553 | $ 25,747,161 | $ 97,219,714 | $ 60,833,373 | $ 36,386,341 | $ 4,182,285 |

Total-to-date: May 2013

| | | Target | Gross Savings | | | Allocated Savings | | DE Progress |
|---|---|---|---|---|---|---|---|---|
| | | | DE Carolinas | DE Progress | Combined | DE Carolinas | DE Progress | SC Retail portion |
| 1 | Joint Dispatch | $ 318,955,000 | $ 16,189,767 | $ 16,725,110 | $ 32,914,877 | $ 20,417,977 | $ 12,496,900 | $ 1,434,780 |
| 2 | Coal Blending (b) | 259,800,000 | 40,491,719 | - | 40,491,719 | 28,487,023 | 12,004,696 | 1,390,302 |
| 3 | Coal Procurement (b) | 45,950,000 | 4,620,824 | 5,199,590 | 9,820,414 | 6,085,961 | 3,734,453 | 430,964 |
| 4 | Coal Transportation (b) | 30,395,000 | 5,243,223 | 3,576,687 | 8,819,910 | 5,286,126 | 3,533,784 | 408,791 |
| 5 | Reagent Procurement & Transportation | 12,800,000 | 769,635 | 864,558 | 1,634,193 | 879,482 | 754,711 | 86,290 |
| 6 | Natural Gas Capacity | 16,900,000 | 11,417,283 | - | 11,417,283 | 7,088,829 | 4,328,454 | 488,162 |
| 7 | Natural Gas Trading | 2,000,000 | 395,494 | - | 395,494 | 243,366 | 152,128 | 17,495 |
| | | $ 686,800,000 | $ 79,127,945 | $ 26,365,945 | $ 105,493,890 | $ 68,488,765 | $ 37,005,125 | $ 4,256,784 |

(a) Includes June 2012 savings associated with fuel-related savings guarantee, retained by the originating company
(b) Includes January – June 2012 savings associated with fuel-related savings guarantee, retained by the originating company
Note: Detail amounts may not add to totals shown due to rounding.

Exhibit B

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 1 **



| | Month of February 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 938 | MW | 938 | MW | 1 |
| Period Hours | 672 | HOURS | 8,760 | HOURS | |
| Net Generation | 621,271 | MWH | 6,499,882 | MWH | 2 |
| Capacity Factor | 98.56 | % | 79.10 | % | |
| Equivalent Availability | 95 98 | % | 77.62 | % | |
| Output Factor | 98.56 | % | 100.07 | % | |
| Heat Rate | 10,297 | BTU/KWH | 10,357 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 1,493,226 | 17.88 | 3 |
| Partial Scheduled | 25,343 | 4 02 | 100,779 | 1.21 | 4 |
| Full Forced | 0 | 0.00 | 282,698 | 3.38 | 5 |
| Partial Forced | 0 | 0.00 | 35,901 | 0 43 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 630,336 | | 8,351,930 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **



| | Month of February 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 932 | MW | 932 | MW | 1 |
| Period Hours | 672 | HOURS | 8,760 | HOURS | |
| Net Generation | 598,358 | MWH | 7,927,078 | MWH | 2 |
| Capacity Factor | 95.54 | % | 97.09 | % | |
| Equivalent Availability | 99.88 | % | 96.88 | % | |
| Output Factor | 95.54 | % | 97.98 | % | |
| Heat Rate | 10,891 | BTU/KWH | 10,672 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 0 | 0.00 | 3 |
| Partial Scheduled | 729 | 0.12 | 100,557 | 1.22 | 4 |
| Full Forced | 0 | 0.00 | 75,652 | 0.92 | 5 |
| Partial Forced | 27,217 | 4.35 | 145,005 | 1.76 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 626,304 | | 8,240,970 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **



| | Month of February 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 928 MW | 905 MW | 1 |
| Period Hours | 672 HOURS | 8,760 HOURS | |
| Net Generation | 638,321 MWH | 7,114,254 MWH | 2 |
| Capacity Factor | 102.36 % | 89.79 % | |
| Equivalent Availability | 99.49 % | 85.91 % | |
| Output Factor | 102.36 % | 103.57 % | |
| Heat Rate | 10,477 BTU/KWH | 10,621 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 1,063,230 | 13.20 | 3 |
| Partial Scheduled | 0 | 0.00 | 52,017 | 0.65 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 3,187 | 0.51 | 12,616 | 0.16 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 623,616 | | 8,056,280 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2



| | Month of February 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 741 MW | 727 MW | 1 |
| Period Hours | 672 HOURS | 8,760 HOURS | |
| Net Generation | 506,497 MWH | 6,205,907 MWH | 2 |
| Capacity Factor | 101.72 % | 97.48 % | |
| Equivalent Availability | 94.98 % | 91.98 % | |
| Output Factor | 101.72 % | 104.45 % | |
| Heat Rate | 10,079 BTU/KWH | 10,367 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 392,593 | 6.05 | 3 |
| Partial Scheduled | 24,990 | 5.02 | 53,456 | 0.82 | 4 |
| Full Forced | 0 | 0.00 | 52,113 | 0.80 | 5 |
| Partial Forced | 0 | 0.00 | 50,632 | 0.78 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 497,952 | | 6,491,160 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.

Duke Energy Progress
Run Date 6/26/2013

# BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 1 **



| | Month of March 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 938 MW | 938 MW | 1 |
| Period Hours | 743 HOURS | 8,760 HOURS | |
| Net Generation | 718,769 MWH | 7,221,625 MWH | 2 |
| Capacity Factor | 103.13 % | 87.89 % | |
| Equivalent Availability | 100.00 % | 86.10 % | |
| Output Factor | 103.13 % | 100.41 % | |
| Heat Rate | 10,287 BTU/KWH | 10,346 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 768,801 | 9.23 | 3 |
| Partial Scheduled | 0 | 0.00 | 100,779 | 1.21 | 4 |
| Full Forced | 0 | 0.00 | 282,698 | 3.40 | 5 |
| Partial Forced | 0 | 0.00 | 35,901 | 0.43 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 696,934 | | 8,324,920 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **



| | Month of March 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 932 | MW | 932 | MW | 1 |
| Period Hours | 743 | HOURS | 8,760 | HOURS | |
| Net Generation | 30,806 | MWH | 7,255,970 | MWH | 2 |
| Capacity Factor | 4.45 | % | 88.87 | % | |
| Equivalent Availability | 5.32 | % | 88.85 | % | |
| Output Factor | 73.58 | % | 97.53 | % | |
| Heat Rate | 10,924 | BTU/KWH | 10,686 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 650,614 | 93.95 | 650,614 | 7.91 | 3 |
| Partial Scheduled | 5,029 | 0.73 | 105,586 | 1.28 | 4 |
| Full Forced | 0 | 0.00 | 75,652 | 0.92 | 5 |
| Partial Forced | 6,027 | 0.87 | 144,867 | 1.76 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 692,476 | | 8,225,640 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **



| | Month of March 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 928 | MW | 907 | MW | 1 |
| Period Hours | 743 | HOURS | 8,760 | HOURS | |
| Net Generation | 692,542 | MWH | 7,114,442 | MWH | 2 |
| Capacity Factor | 100.44 | % | 89.55 | % | |
| Equivalent Availability | 97.45 | % | 85.70 | % | |
| Output Factor | 100.44 | % | 103.26 | % | |
| Heat Rate | 10,464 | BTU/KWH | 10,606 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 1,063,230 | 13.21 | 3 |
| Partial Scheduled | 0 | 0.00 | 52,017 | 0.65 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 17,579 | 2.55 | 27,101 | 0.34 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 689,504 | | 8,050,440 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2



| | Month of March 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 741 MW | 728 MW | 1 |
| Period Hours | 743 HOURS | 8,760 HOURS | |
| Net Generation | 588,968 MWH | 6,735,152 MWH | 2 |
| Capacity Factor | 106.98 % | 105.58 % | |
| Equivalent Availability | 99.87 % | 99.29 % | |
| Output Factor | 106.98 % | 105.58 % | |
| Heat Rate | 10,020 BTU/KWH | 10,301 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 0 | 0.00 | 3 |
| Partial Scheduled | 716 | 0.13 | 37,459 | 0.58 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 0 | 0.00 | 8,579 | 0.13 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 550,563 | | 6,478,750 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report

Duke Energy Progress
Run Date 6/26/2013

# BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 1 **



| | Month of April 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 938 | MW | 938 | MW | 1 |
| Period Hours | 720 | HOURS | 8,760 | HOURS | |
| Net Generation | 695,638 | MWH | 7,922,896 | MWH | 2 |
| Capacity Factor | 103.00 | % | 96.42 | % | |
| Equivalent Availability | 100.00 | % | 94.32 | % | |
| Output Factor | 103.00 | % | 100.71 | % | |
| Heat Rate | 10,313 | BTU/KWH | 10,335 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 66,801 | 0.81 | 3 |
| Partial Scheduled | 0 | 0.00 | 100,779 | 1.21 | 4 |
| Full Forced | 0 | 0.00 | 282,698 | 3.41 | 5 |
| Partial Forced | 0 | 0.00 | 35,901 | 0.43 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 675,360 | | 8,297,910 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **



| | Month of April 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 932 | MW | 932 | MW | 1 |
| Period Hours | 720 | HOURS | 8,760 | HOURS | |
| Net Generation | -3,771 | MWH | 6,571,563 | MWH | 2 |
| Capacity Factor | 0.00 | % | 80.49 | % | |
| Equivalent Availability | 0.00 | % | 80.63 | % | |
| Output Factor | 0.00 | % | 97.09 | % | |
| Heat Rate | 0 | BTU/KWH | 10,707 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 671,040 | 100.00 | 1,321,654 | 16.10 | 3 |
| Partial Scheduled | 0 | 0.00 | 105,586 | 1.29 | 4 |
| Full Forced | 0 | 0.00 | 75,652 | 0.92 | 5 |
| Partial Forced | 0 | 0.00 | 139,343 | 1.70 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 671,040 | | 8,210,310 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **



| | Month of April 2013 | | Twelve Month Summary | | See Notes* |
|---|---|---|---|---|---|
| MDC | 928 | MW | 909 | MW | 1 |
| Period Hours | 720 | HOURS | 8,760 | HOURS | |
| Net Generation | 683,333 | MWH | 7,376,346 | MWH | 2 |
| Capacity Factor | 102.27 | % | 92.61 | % | |
| Equivalent Availability | 99.77 | % | 88.70 | % | |
| Output Factor | 102.27 | % | 103.51 | % | |
| Heat Rate | 10,496 | BTU/KWH | 10,567 | BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 838,590 | 10.42 | 3 |
| Partial Scheduled | 198 | 0.03 | 28,980 | 0.36 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 1,354 | 0.20 | 23,840 | 0.30 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 668,160 | | 8,044,600 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.
** Gross of Power Agency

Duke Energy Progress
Run Date 6/26/2013

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2



| | Month of April 2013 | Twelve Month Summary | See Notes* |
|---|---|---|---|
| MDC | 741 MW | 730 MW | 1 |
| Period Hours | 720 HOURS | 8,760 HOURS | |
| Net Generation | 533,120 MWH | 6,718,527 MWH | 2 |
| Capacity Factor | 99.93 % | 105.12 % | |
| Equivalent Availability | 94.59 % | 98.97 % | |
| Output Factor | 99.93 % | 105.12 % | |
| Heat Rate | 10,223 BTU/KWH | 10,295 BTU/KWH | |

| | MWH | % of Possible | MWH | % of Possible | |
|---|---|---|---|---|---|
| Full Scheduled | 0 | 0.00 | 0 | 0.00 | 3 |
| Partial Scheduled | 28,869 | 5.41 | 66,328 | 1.03 | 4 |
| Full Forced | 0 | 0.00 | 0 | 0.00 | 5 |
| Partial Forced | 0 | 0.00 | 0 | 0.00 | 6 |
| Economic Dispatch | 0 | 0.00 | 0 | 0.00 | 7 |
| Possible MWH | 533,520 | | 6,466,340 | | 8 |

* See 'Notes for Nuclear Units' filed with the January 2013 report.